

Appl. No. 10/541,081
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Customer No.: 26021

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Original): A bonding sheet comprising an adhesive layer containing a thermoplastic resin disposed on one side of a heat resistant film and a non-adhesive layer containing a non-thermoplastic resin and a thermoplastic resin disposed on the other side of the heat resistant film.
2. (Original): The bonding sheet according to claim 1, wherein the ratio of the non-thermoplastic resin to the thermoplastic resin in the non-adhesive layer is 82/18 to 97/3 on a weight basis.
3. (Previously Presented): The bonding sheet according to claim 1, wherein the heat resistant film is a polyimide film.
4. (Previously Presented): The bonding sheet according to claim 1, wherein the thermoplastic resin in the adhesive layer and the non-thermoplastic resin and the thermoplastic resin in the non-adhesive layer are polyimides.
5. (Previously Presented): The bonding sheet according to claim 1, wherein a rectangular piece having a width of 7 cm and a length of 20 cm taken from the bonding sheet exhibits a warpage of 0.5 mm or less at each of the four corners after being left to stand at 20°C and 60% R.H. for 12 hours.
6. (Previously Presented): The bonding sheet according to claim 1, wherein the linear expansion coefficient (200°C to 300°C) of the bonding sheet is in the range of $\alpha_0 \pm 5$ (ppm/ $^{\circ}$ C) wherein α_0 (ppm/ $^{\circ}$ C) is a linear expansion coefficient (200°C to 300°C) of a metal foil to be bonded onto the bonding sheet.

7. (Previously Presented): A flexible one-side metal-clad laminate comprising a metal foil bonded onto the adhesive layer of the bonding sheet according to claim 1.

8. (Currently Amended): The flexible one-side metal-clad laminate according to claim 7, wherein a thermal roll laminator including at least one pair of metal rolls bonds the metal foil ~~is bonded~~ onto the bonding sheet ~~using a thermal roll laminator including at least one pair of metal rolls.~~

9. (Previously Presented): The flexible one-side metal-clad laminate according to claim 7, wherein the metal foil is a copper foil.

10. (Previously Presented): The flexible one-side metal-clad laminate according to claim 7, wherein a rectangular piece having a width of 7 cm and a length of 20 cm taken from the flexible one-side metal-clad laminate exhibits a warpage of 1.0 mm or less at each of the four corners after being left to stand at 20°C and 60% R.H. for 12 hours.

11. (Previously Presented): The bonding sheet according to claim 2, wherein the heat resistant film is a polyimide film.

12. (Previously Presented): The bonding sheet according to claim 2, wherein the thermoplastic resin in the adhesive layer and the non-thermoplastic resin and the thermoplastic resin in the non-adhesive layer are polyimides.

13. (Previously Presented): The bonding sheet according to claim 3, wherein the thermoplastic resin in the adhesive layer and the non-thermoplastic resin and the thermoplastic resin in the non-adhesive layer are polyimides.

14. (Previously Presented): The bonding sheet according to claim 3, wherein a rectangular piece having a width of 7 cm and a length of 20 cm taken from the bonding

sheet exhibits a warpage of 0.5 mm or less at each of the four corners after being left to stand at 20°C and 60% R.H. for 12 hours.

15. (Previously Presented): The bonding sheet according to claim 3, wherein the linear expansion coefficient (200°C to 300°C) of the bonding sheet is in the range of $\alpha_0 \pm 5$ (ppm/°C) wherein α_0 (ppm/°C) is a linear expansion coefficient (200°C to 300°C) of a metal foil to be bonded onto the bonding sheet.

16. (Previously Presented): The bonding sheet according to claim 5, wherein the linear expansion coefficient (200°C to 300°C) of the bonding sheet is in the range of $\alpha_0 \pm 5$ (ppm/°C) wherein α_0 (ppm/°C) is a linear expansion coefficient (200°C to 300°C) of a metal foil to be bonded onto the bonding sheet.

17. (Previously Presented): The bonding sheet according to claim 14, wherein the linear expansion coefficient (200°C to 300°C) of the bonding sheet is in the range of $\alpha_0 \pm 5$ (ppm/°C) wherein α_0 (ppm/°C) is a linear expansion coefficient (200°C to 300°C) of a metal foil to be bonded onto the bonding sheet.

18. (Previously Presented): A flexible one-side metal-clad laminate comprising a metal foil bonded onto the adhesive layer of the bonding sheet according to claim 3.

19. (Currently Amended): The flexible one-side metal-clad laminate according to claim 18, wherein a thermal roll laminator including at least one pair of metal rolls bonds the metal foil onto the bonding sheet using a thermal roll laminator including at least one pair of metal rolls.

20. (New): The bonding sheet according to claim 1, wherein the non-adhesive layer is obtained by applying a mixture of a precursor of non-thermoplastic polyimide and a thermoplastic polyimide or its precursor on the heat resistant film, followed by imidization.